

Please amend claim(s) 2, 3, 8, 9, 11, 14, 15, 20 and 21 as follows. Attached hereto is a marked-up version of the changes made to the specification and claims by the present amendment. The attached page(s) are captioned "Version with markings to show changes made".

1. ~~2.~~ (AMENDED) A method of generating aircraft position and identification information, comprising the steps of:

receiving, at a plurality of radio receivers, a first radio signal from an aircraft, the first radio signal including an address corresponding to aircraft identification;

generating, at each of the plurality of radio receivers, a time stamp indicating when the first radio signal is received at each of the plurality of radio receivers;

transmitting data contents of the radio signal and the time stamp to a central workstation;

generating aircraft position data by measuring differences in time of arrival of the first radio signal between at least two of the plurality of the radio receivers;

generating aircraft identification data from the address corresponding to aircraft identification;

receiving a second radio signal from the aircraft, the second radio signal containing aircraft identification information; and

correlating aircraft identification information from the second radio signal with aircraft identification information from the first radio signal to confirm identity of the aircraft.

2. ~~3.~~ (AMENDED) A method of generating aircraft position and identification information, comprising the steps of:

receiving, at a plurality of radio receivers, a first radio signal from an aircraft, the first radio signal including an address corresponding to aircraft identification;

generating, at each of the plurality of radio receivers, a time stamp indicating when the first radio signal is received at each of the plurality of radio receivers;

transmitting data contents of the radio signal and the time stamp to a central workstation;

generating aircraft position data by measuring differences in time of arrival of the first radio signal between at least two of the plurality of the radio receivers; and

generating aircraft identification data from the address corresponding to aircraft identification,

wherein said step of generating aircraft identification data from the address corresponding to aircraft identification comprises the steps of:

determining whether the aircraft is domestic or foreign;

decoding, if the aircraft is determined to be domestic, using a predetermined algorithm, the aircraft registration number from the address; and

looking up, if the aircraft is determined to be foreign, the aircraft registration number from a database correlating foreign registration numbers and addresses.

6. (AMENDED) An apparatus for generating aircraft position and identification information, comprising:

a plurality of radio receivers for receiving a first radio signal from an aircraft, the first radio signal including an address corresponding to aircraft identification;

means, coupled to the plurality of radio receivers, for generating a time stamp indicating when the first radio signal is received at each of the plurality of radio receivers;

transmission means, for transmitting the radio signal and the time stamp to a central workstation;

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a central workstation, coupled to the transmission means, for generating aircraft position data by measuring differences in time of arrival of the first radio signal between at least two of the plurality of the radio receivers;

means for generating aircraft identification data from the address corresponding to aircraft identification;

means for receiving a second radio signal from the aircraft, the second radio signal containing aircraft identification information; and

means for correlating aircraft identification information from the second radio signal with aircraft identification information from the first radio signal to confirm identity of the aircraft.

7. (AMENDED) An apparatus for generating aircraft position and identification information, comprising:

a plurality of radio receivers for receiving a first radio signal from an aircraft, the first radio signal including an address corresponding to aircraft identification;

means, coupled to the plurality of radio receivers, for generating a time stamp indicating when the first radio signal is received at each of the plurality of radio receivers;

transmission means, for transmitting the radio signal and the time stamp to a central workstation;

a central workstation, coupled to the transmission means, for generating aircraft position data by measuring differences in time of arrival of the first radio signal between at least two of the plurality of the radio receivers; and

means for generating aircraft identification data from the address corresponding to aircraft identification,

wherein said means for generating aircraft identification data from the address corresponding to aircraft identification comprises:

means for determining whether the aircraft is domestic or foreign;

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Conced. means for decoding, if the aircraft is determined to be domestic, using a predetermined algorithm, the aircraft registration number from the address; and

means for looking up, if the aircraft is determined to be foreign, the aircraft registration number from a database correlating foreign registration numbers and addresses.

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14. (AMENDED) The apparatus of claim 10 wherein the additional information includes at least one of aircraft manufacturer, model number, airframe serial number, and aircraft ownership information.

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Conced. 14. (AMENDED) A method generating aircraft identification information, comprising the steps of:

receiving, from at least one radio receiver, a first radio signal from an aircraft, the first radio signal including an address corresponding to aircraft identification;

transmitting the radio signal to a central workstation; and

generating aircraft identification data from the address corresponding to aircraft identification;

receiving a second radio signal from the aircraft, the second radio signal containing aircraft identification information; and

correlating aircraft identification information from the second radio signal with aircraft identification information from the first radio signal to confirm identity of the aircraft.

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15. (AMENDED) A method of generating aircraft identification information, comprising the steps of:

receiving, from at least one radio receiver, a first radio signal from an aircraft, the first radio signal including an address corresponding to aircraft identification;

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transmitting the radio signal to a central workstation; and
generating aircraft identification data from the address
corresponding to aircraft identification,

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wherein said step of generating aircraft identification data from
the address corresponding to aircraft identification comprises the steps
of:

determining whether the aircraft is domestic or foreign;

decoding, if the aircraft is determined to be domestic, using a
predetermined algorithm, the aircraft registration number from the
address; and

looking up, if the aircraft is determined to be foreign, the
aircraft registration number from a database correlating foreign
registration numbers and addresses.

16 ~~20~~. (AMENDED) An apparatus for generating aircraft position and
identification information, comprising:

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at least one radio receiver for receiving a first radio signal from
an aircraft, the first radio signal including an address corresponding
to aircraft identification;

transmission means, for transmitting the radio signal;

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means, coupled to the transmission means, for generating aircraft
identification data from the address corresponding to aircraft
identification;

means for receiving a second radio signal from the aircraft, the
second radio signal containing aircraft identification information; and

means for correlating aircraft identification information from the
second radio signal with aircraft identification information from the
first radio signal to confirm identity of the aircraft.

17 ~~21~~. (AMENDED) An apparatus for generating aircraft position and
identification information, comprising:

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at least one radio receiver for receiving a first radio signal from an aircraft, the first radio signal including an address corresponding to aircraft identification;

transmission means, for transmitting the radio signal; and
means, coupled to the transmission means, for generating aircraft identification data from the address corresponding to aircraft identification,

wherein said means for generating aircraft identification data from the address corresponding to aircraft identification comprises:

means for determining whether the aircraft is domestic or foreign;

means for decoding, if the aircraft is determined to be domestic, using a predetermined algorithm, the aircraft registration number from the address; and

means for looking up, if the aircraft is determined to be foreign, the aircraft registration number from a database correlating foreign registration numbers and addresses.